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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/931,167	08/17/2001	Du Hyun You	P-0254	1468
34610	7590	05/19/2004	EXAMINER	
FLESHNER & KIM, LLP P.O. BOX 221200 CHANTILLY, VA 20153			BUI, BING Q	
			ART UNIT	PAPER NUMBER
			2642	5

DATE MAILED: 05/19/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/931,167

Applicant(s)

YOU ET AL.

Examiner

Bing Q Bui

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 17 August 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-21 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-21 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 17 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

1. Claims 1-21 are pending in the application for examination.

### ***Specification***

- 2 The disclosure is objected to because of the following informalities: The term [ pri-digit ] contained throughout the specification should be deleted and replaced with -- pre-digit --.

Appropriate correction is required.

### ***Claim Objections***

3. Claims 1, 16 and 20 - 21 are objected to because of the following informalities:
  - (1) As to claim 1, the abbreviation "IPABX" in line 1 should be initially defined.
  - (2) As to claim 16:
    - (a) The abbreviation "SNP" in line 7 should be initially defined.
    - (b) The word [ an ] at the beginning of line 7 should be deleted and replaced with -- a --.
    - (c) The term [ pri-digit ] in lines 9, 10 and 11 should be deleted and replaced with -- pre-digit --.
  - (3) As to claim 20, either "a tone" or "(a secondary tone)" in lines 2 and 3 should be deleted for avoiding confusion.

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- (4) As to claim 21, [ a data transmission line trunk group line information database ] in either lines 3 and 4 or lines 5 and 6 should be deleted for avoiding repeatation.

Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1 - 21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- (1) As to claim 1:

- (a) The recited method comprising two steps that process two separated calls (e.g., "a call" in line 3 pertaining to first step and another "a call" in line 6 pertaining to second step) for the same IPABX (e.g., "an IPABX" in line 3 and "the IPABX" in line 6); it is vague and unclear how these steps are correlated or in other words, how the first step enabling the second step and vice versa ?

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- (b) Are "an IPABX" in line 1 and "an IPABX" in line 3 different ? If they are two different IPABXs, which one of those that "the IPABX" in line 6 refers to ?
- (c) Are "a local exchange" in line 1 and "a local exchange" in line 3 different ? If they are two different local exchanges, which one of those that "the local exchange" in line 6 refers to ?

(2) As to claim 2:

Since lines 2 – 4 implies a call originated "from an IPABX subscriber" or in other words, the IPABX subscriber is considered as a caller, it is vague and unclear how to distinguish between "a caller number" and "a subscriber's number" shown in lines 5-7 since the subscriber is also a caller. Are there two different calls? One made by a IPABX subscriber and another one made by a caller destined to the IPABX subscriber? If this is the case, how these calls are correlated or in other words, how the step of making call by the IPABX subscriber enabling the step of making call by the caller and vice versa ?

(3) As to claim 4:

- (a) "the call terminating step" in line 1 lacks antecedent basis.
- (b) "the final destination terminal" in line 11 lacks antecedent basis.

(4) As to claim 5:

- (a) "the pre-digit" in lines 1 and 2 lack antecedent basis.
- (b) "the subscriber's" in line 2 lacks antecedent basis.

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- (c) "the final destination line" in line 4 lacks antecedent basis
- (5) As to claim 11:  
"the pre-digit" in line 1 lacks antecedent basis.
- (6) As to claim 12:  
"the pre-digit" in line 1 lacks antecedent basis.
- (7) As to claim 16:
  - (a) Are "a local exchange" in line 2 and "a local exchange" in line 4 different ? If they are two different local exchanges, which one of those that "the local exchange" in subsequent claims such as claims 18 and 20 refers to ?
  - (b) "each sub-system" in line 5 lacks antecedent basis because there are no plurality of sub-systems previously claimed.
  - (c) "the prefix" in line 7 lacks antecedent basis.
  - (d) Are "an originating and terminating call" implied in line 3 and "an originated or terminated call" in line 7 different ?

Due to the 112/2nd paragraph problems pertaining to claims 1 - 15, Examiner is unable to make any assumption for comparing claims 1 - 15 with the prior art.

***Allowable Subject Matter***

6. Claims 16 - 21 would be allowable if rewritten or amended to overcome the objection and the rejection(s) under 35 U.S.C. 112, second paragraph, and set forth in this Office action.

### ***Conclusion***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The following patents are cited to further show the state of the art in general:

U.S. Pat. No. 5,319,640

U.S. Pat. No. 5,329,581

U.S. Pat. No. 5,422,943

U.S. Pat. No. 5,506,894

U.S. Pat. No. 5,515,425

U.S. Pat. No. 5,550,906

U.S. Pat. No. 5,818,921

U.S. Pat. No. 5,835,566

U.S. Pat. No. 5,903,571

U.S. Pat. No. 6,088,438

U.S. Pat. No. 6,141,343

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bing Bui whose telephone number is (703) 308-5858. The examiner can normally be reached on Monday through Thursday from 7:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ahmad Matar, can be reached on (703) 305-4731. The fax phone number

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for the organization where this application or proceeding is assigned is (703) 872-9306 and for formal communications intended for entry (please label the response

EXPEDITED PROCEDURE ) or for informal or draft communications not intended for entry (please label the response "PROPOSED" or "DRAFT").

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-4700.

Paper Number : 5

A handwritten signature in black ink, appearing to read 'Bing Q. Bui', with a long, sweeping horizontal line extending to the left.

Bing Q. Bui  
Primary Examiner